

**DEPARTMENT OF FORESTRY AND FIRE PROTECTION
OFFICE OF THE STATE FIRE MARSHAL**

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**CALIFORNIA CODE ADOPTION
Meeting Notes
Group 10 South - R-1 and R-3 Occupancies
11/08/2005 10 A.M.
Irvine, California**

<p><u>ATTENDEES:</u></p> <p>Facilitators: Joe Kirkpatrick, Co-chair Ali Fattah, Secretary</p> <p>Committee or Group Members Present: Joe Kirkpatrick, Jim Pettigrew, Roy Itani, Ricky Lewis, Brad Dotts, Ali Fattah, Martin Montessoro, George Lockfort, Tom Nikzad, Mohammad Heivand, Keith Lee, Janna Doty, Truong Huynh, , Jason Nuesca, Nathan Honda, Frankie Murphy CDF/SFM Staff Present: None</p>	<p><u>STAKEHOLDERS IN AUDIENCE:</u></p> <p>Mark Kluver</p>
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DOCUMENT HANDOUTS:

1. Facilities Info & Introductions
2. Circulate Sign In Sheet, correct e-mail if different that the attachment, or add alternate if applicable.
3. Additional Books requested: No more supplements or IRCs will be provided have IBCs and IFCs for Cetin, Lee, and Janna Dotty.

AGENDA:

1. Introductions
2. Circulate Sign In Sheet
3. Meeting secretary volunteer
Ali Fattah from San Diego agreed to prepare the meeting minutes for a second time.
4. Communications/Tools
 - E-mails getting through to everyone? See attached contact list.
 - SFM web page, <http://osfm.fire.ca.gov/CodeAdoptionProcess.html>, will have posted our meeting minutes, and upcoming scheduled meetings, also, those of other groups including the R Occupancy Work Group North. Anyone interested in tracking their efforts, do so through these postings. Also available herein: Guidance Documents and "Toolbox"
 - Electronic codes at www.ecodes.biz, distribute login and password
 - UBC/IBC Cross-Reference Table

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- SFM gave clarification that IRC does not need to be reviewed.
- 5. Meeting minutes...comments/discussion
- 6. Review of SFM/Committee Goal: To provide a new CBC and CFC that provide a substantially equivalent level of protection provided by current code. Our part is to provide a completed "stakeholder package" to the SFM by February 1, 2006. A complete package means:
 - All recommended amendments in express terms. (Note: SFM desire to keep amendments to a minimum)
 - Justification for each proposed amendment, including Nine Point Criteria Analysis and Initial Statement of Reasons.

Deadline to submit complete amendment package with reasons and 9 point criteria is Feb 1, 2005.
- 7. Updates
 - a. The north working group has posted meeting minutes and amendments for review and comment for R-2 and R-6 occupancy issues. 30 pages of identified items were posted.
 - b. Joe will resend IBC/UBC cross-reference.
 - c. Leslie Habarek was contacted for additional code books.
 - d. Core group met via teleconference and discussed progress. FPO's will take lead to look for amendments.

DISCUSSION/COMMENTS:

- 8. Working Session:
 - a. **Ali Fattah went through a list of amendments he had researched from the CBC.**
 - i. CBC Efficiency Dwelling Unit definitions unique to California propose that it be added to IBC 310.1. under R-1 and R-1 transient and non-transient. Need definition to use IBC.
Action item: Ali Fattah to contact HCD for confirmation that they are not addressing this item.
 - ii. CBC 219 residential care definitions
Action item: Forward comments to group in north
 - iii. CBC 224 lobby definition and CBC 213 lobby definition. Need to differentiate between "elevator lobby" from all other lobbies in applying IBC 1016.5 for corridors not pass through elevator lobbies.
Action item: Item requires further study. No sense adding definitions available from Websters dictionary.
 - iv. CBC 204 congregate residence is a Boarding House and no need to amend IBC per prior meeting discussion.
Action item: None. (added 11/22/05 by Fattah see G42-04/05 for an update to a code change approved allowing a congregate residence with 16 or fewer to comply as R-3. IRC can not be used since no limit on number of rooms)
 - v. CBC 310.1 includes definitions for R2.1.and R-3 adult day care.
Action item: Forward comments to group in north
 - vi. IBC 308.3 delete reference to IRC allows a surgical center with less than 5 ambulatory o be designed under IRC. Commercial occupancy not a residential occupancy.
Action item: Ali to forward comments to I occupancy group
 - vii. Also delete reference to IRC in IBC 310.1
Action item: Contact HCD for consistency.

- viii. Ali suggested that if the IRC is not to be adopted this go around whether the group would entertain allowing Townhouse construction utilizing the IRC definition on page 19 of chapter 2 and allow multiple single family dwellings in IBC to classified as R-3 and not R-2 occupancy. IBC Section already allows common “party walls” at the property line. IBC 503.2 allows shared property line walls and prohibits openings into them per Section 705.8 except 1. All R occupancies under the IBC will be sprinklered.
Action item: Ali to draft language and share with the group. Some members have issues with concept but in agreement that sprinklers will be required for R-3 occupancies under IBC.
- ix. CBC 310.4 Except 2 Ali proposes that the exception be deleted. IBC 1025.1 Except 1 exempts sprinklered residential buildings classified as other than Group R-3 to not comply with the emergency escape or rescue opening requirement. Group could not agree with FPO’s opposed to IBC 1025.1 exception.
Action item: Item requires further study and discussion. Need to come up with justification to delete IBC exception.
- x. CBC 310.4 paragraph 9, 12 security bar amendments may need to be carried forward to IBC 1025.4.
Action item: Requires further study.
- xi. CBC 310.7 includes requirements for efficiency units per H&S 17958.1. Classify as R-1 transient if no kitchen and R-2 non-transient if kitchen.
Action item: Ali will contact HCD to verify if it is appropriate for our group to propose a change in this area. IBC Section 1208.4 may be the place to transfer the language..
- xii. CBC 310.9 smoke alarms. The amendments are not necessary since smoke alarm as opposed to smoke detector in the UBC is an IBC term. Also see CBC 310.9.1.2, 310.9.1.3-1.5
Action item: Requires further study.
- xiii. Carry forward amendments in CBC 310.9.1.6 to IBC 907.2.10 (single and multiple station smoke alarms).
Action item: Requires further study.
- xiv. Delete fire alarm amendment in CBC 310.10 IBC Section 907.2 addresses the issue to be per NFPA 72. Except 2a see IBC 907.2.9 Except 3 and IBC 907.2.8 Exc 2.1.
Action item: Requires further study.
- xv. Delete CBC 310.12 and amend 2nd paragraph? Amend 4th paragraph and move to IFC 603 fuel fired appliances? Add to IBC 302.1.1.1. **See notes by Joe Kirkpatrick to follow. Addresses not only fuel fired appliances.**
- xvi. CBC 310.14 exist R-1 and apt applies to hotels add to new IBC Section 3411.
Action item: Requires further study. Draft new language to move amendment to IBC chapter 34.
- xvii. CBC 310.14.2.11 add fire escapes to 3404 from CBC 310.14.6
Action item: Requires further study.
- xviii. CBC 310.14.2 see IFC 907.3 language retroactive fire alarms, IFC may have taken care of most of the issue. Cary forward amendment?
Action item: Requires further study.
- xix. CBC 310.14.12 move to IFC 907.3 and IBC chapter 34.
Action item: Requires further study. Draft new language to move amendment to IBC chapter 34.

- xx. CBC 310.15 large family day care should be moved to a new section in IBC chapter 4 perhaps a new IBC Section 419. Add all related items including means of egress item from Chapter 10.
Action item: Draft new language to move amendment to IBC chapter 34.
- xxi. CBC 310.16 has requirements for existing R-3 occupancies for smoke detectors.
Action item: Move CBC language to IBC chapter 34 since appears to be statutory. Also look out that the term smoke alarm is changed from smoke detector H&S code language notwithstanding.
- xxii. CBC 504.6.1 requirement for 4 hour ASW where attempting to avoid sprinklering a building. This Section seems redundant since sprinklers are required in many more occupancies regardless of unit count. H&S Code section 13113 referenced in the exception seems to apply to smoke alarms and residential care facilities (see <http://www.leginfo.ca.gov/cgi-bin/waisgate?WAISdocID=6787181430+0+0+0&WAIAction=retrieve>) A Fire Wall can be used to separate a sprinklered portion of the building from a non-sprinklered portion. In the IBC 4 Hour firewalls are only required in H-1 and H-2 occupancies. Recommend deletion.
Action item: Requires further study and discussion.
- xxiii. Recommend that height and allowable area table in IBC not be amended and adopted as published. However the language in G98-04/05 and G118-04/05 amending IBC 504.2 and 506.3 (see <http://www.iccsafe.org/cs/codes/2004-05cycle/FAA/IBC-G4.pdf>). **See notes from Mark Kluver below.**
Action item: Requires further study. Group will study 2 IBC code changes supported by CALBO and SFM in Detroit hearings. Two part issue one is the use of multipliers in non-rated building s. Second part restricts the use of 13-R sprinklers allowed in IBC to add 1 story and 20 ft to a max of 4 stories and 60 ft. Need to coordinate with Group B work group to avoid redundancy.
- xxiv. IBC Section 716.5.2 does not require smoke dampers for Fire Barriers. This means that horizontal exits and occupancy separations would not have smoke dampers.
Action item: Requires further study. Rather than be an across the Board change needs to address occupancy separations and horizontal exits both popular in residential occupancies.
- xxv. CBC 702 includes SFM amendments updating standards referenced in CBC and should be deleted since IBC will be the latest code.
 - a) CBC 709.6.1 through penetration amendment redundant and covered in IBC 712.3. Redundant.
 - b) CBC 709.7 membrane penetrations amendment redundant and covered in IBC 712.3.2.
 - c) CBC 709.8 joints amendment redundant and covered in IBC 713.**Action item:** Requires further discussion and study. Due to time constraints at meeting not fully discussed.
- xxvi. CBC 713.10.1 redundant heading amendment.
Action item: Requires further study. Group will study 2 IBC code changes supported by CALBO and SFM in Detroit hearings. Two part issue one is the use of multipliers in non-rated building s. Second part restricts the use of 13-R sprinklers allowed in IBC to add 1 story and 20 ft to a max of 4 stories and 60 ft.

- xxvii. CBC 901 amendment referencing CBC 310.14.12 for existing apartment houses should not be carried forward due to different IBC format.

Action item: Needs to be discussed as a part of Troung Huynh's presentation at next meeting.

- xxviii. Chapter 10 CBC amendments

- a) CBC 1003.2.8.1 visual exit sign, amendment redundant and covered in IBC 1011.
- b) CBC 1003.2.8.4 (exit sign illumination exception carry forward?) amendment can be carried forward to IBC 1011.4 is this redundant and covered in IBC?
- c) CBC1003.2.8.5 alternative power source amendment can be carried forward to IBC 1011.5.3 is this redundant and covered in IBC?
- d) CBC1003.2.8.6 tactile exit signs move forward to IBC1011. Is DSA addressing this issue in chapter11?
- e) CBC1003.2.9.1 various means of egress illumination items and alternative power source amendment can be carried forward to IBC 1006?

Action item: Needs to be discussed at next meeting or forwarded to egress group. No egress group established at the present time.

- xxix. CBC 1003.3.1.2 sliding doors and doors n folding partitions. Move to 1008.1.2? Exception 1 takes care of the first amendment?

Action item: Needs to be discussed at next meeting or forwarded to egress group. No egress group established at the present time.

- b. **Joe Kirkpatrick went over his notes on CBC 310.12 special hazards.**

The Group compared CBC 310.12 with IBC table 302.1.1 for incidental use areas that address similar items. IBC is more restrictive than UBC in that it addresses rooms with non-fuel fired equipment. Allows rooms separation or sprinkler protection for room.

Action item: No need to amend IBC table 302.1.1. Amendment to 310.12 to be moved to IFC 603.

- c. **Mark Kluver of PCA discussed height and allowable area modifiers and occupancy separation IBC 302.3.2 Table .**

- i. Mark handed two handouts comparing the height and allowable area tables and examples of the sprinkler and height multipliers in the IBC. Mark also shared a proposed code change explored by the B work Group. The change also prohibits the use of a 13-R system to increase height and number of stories by 20 ft or 1 story for a maximum of 60 ft and 4 stories.

Action item: Limiting 13-R sprinkler use needs to be discussed with chapter 9 presentation at next meeting.

- ii. Mark also discussed with the group dramatic changes made to the occupancy separations in IBC Table 302.3.2 . See `G14-04/05 for more information on the approved code change. Mark seems to think that there is a dramatic reduction for example form his handout an R-2 to an S-1 (S-3 in the CBC) separation is 3 hour in the CBC (there is an exception to reduce it to 2 hours) the 2003 IBC requires 2 hour and the 2006 IBC will allow 1 hour.

Action item: Requires further study since conclusion at odds with that of Roy Itani and Steve Ikanda review of 2003 IBC.

- d. **Roy Itani provided an analysis of the occupancy separations in UBC and IBC and a comparison Table he put together with Steve Ikanda. .**

Roy presented a table that shows that the 2003 IBC is more restrictive than the UBC due to the non-separated uses option. The separation can be reduced by 1 hour in a sprinklered building. The handout discussed occupancy combinations notably that S-3 and S-4 parking garages are S-1 under the IBC.

Action item: Requires further study since 2006 IBC is not out as of yet.

- e. **Troung Huynh provided an analysis of the flame finish requirements in chapter 8.**

Troung presented differences between the UBC and IBC. New classification letter nomenclature for finishes. IBC regulates floor finishes. In some cases IBC finishes are less restrictive since a reduction is allowed in sprinklered buildings. CBC Table 8-B footnote 7 exempting R-3 occupancies not in IBC.

Action item: Since no SFM amendments in CBC to chapter 8 s adopt IBC chapter 8 without amendments.

ACTION ITEMS (FOLLOW UP) AND RESPONSIBLES:

- a) Fire prevention members will review all amendments identified thus far.
- b) Troung to continue and present of chapter 9 issues.
- c) Location on property issues need to be discussed by Roy Itani, Steve Ikkanda
- d) Smoke Barriers need to be discussed by *Martin Montessoro, George Lockfort.*
- e) Brad, Martin and George will look at chapter 2 statutory amendments.
- f) Brad and Nathan will look at Section 310 Division 3 non-statutory and 310.1
- g) Jim and George will be reviewing emergency escape and security bar issues.
- h) Keith will be reviewing 310.9.1.5 efficiency dwelling unit issues.
- i) Frankie will be reviewing fire alarm issues such as Section 310.10, etc..
- j) Joe will be looking at Section 310.12
- k) Rickie will be looking at Section 310.14
- l) Roy Itani and Jason will be looking at IFC 904.2.9 (310.15??) and 1010.
- m) Mark will be looking at the occupancy separation comparisons.
- n) All members to ensure that they have sent their agreement to ICC for I code web access.
- o) Joe will resend IBC/UBC cross reference.
- p) Joe will contact ICC to get more IBC and IFC due to newcomers.
- q) Joe will participate in conference call
- r) All to prepare and discuss code change items at next meeting.

NEXT MEETING:

November 29, 2005 10 am to 3 pm, Irvine